

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	330/51,149,251,10,207A.ccls. and ((clamp\$3 clip\$4) with off) same (amplifier with DAC with on)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/08 16:41
L2	0	"330"/\$.ccls. and ((clamp\$3 clip\$4) with off) same (amplifier with DAC with on)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/08 16:41
L3	0	"330"/120.ccls. and ((clamp\$3 clip\$4) with off) same (amplifier with DAC with on)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/08 16:41
L4	0	"381"/120.ccls. and ((clamp\$3 clip\$4) with off) same (amplifier with DAC with on)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/08 16:41
L5	0	"381"/\$.ccls. and ((clamp\$3 clip\$4) with off) same (amplifier with DAC with on)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/08 16:44
L6	0	(power\$3 near2 (up down)) and ((clamp\$3 clip\$4) with off) same (amplifier with DAC with on)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/08 16:42
L7	0	(power\$3 near2 (up down)) and ((clamp\$3 clip\$4) with off) and (amplifier with DAC with on)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/08 16:42
L8	0	(amplifier with DAC with on)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/08 16:42
L9	0	(amplifier with DAC with "on")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/08 16:42

## EAST Search History

L11	871	(381/120).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/03/08 16:44
L12	0	L11 and ((clamp\$3 clip\$4) with off) same (amplifier with DAC with on)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/08 16:49
L13	180	(381/94.5).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/03/08 16:49
L14	0	L13 and ((clamp\$3 clip\$4) with off) same (amplifier with DAC with on)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/08 16:49
S1	0	henson.in. and pop same click	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/21 17:09
S2	0	felder.in. and pop same click	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/28 16:12
S3	355	felder.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/21 17:09
S4	7	henson.in. and power and amplifi\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/21 17:12
S5	97	henson.in. and power	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/23 14:00
S6	21	henson.in. and amplifi\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/21 17:13
S7	44	"sigmatel".AS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/07/12 18:46
S8	0	"sigmatel".AS. and pop	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/21 17:20
S9	0	"sigmatel".AS. and click	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/28 16:13

## EAST Search History

S10	602	(381/120).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/03/03 17:34
S11	4	(381/120).ccls. and pop near3 click	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/21 18:05
S12	3	"5796851".URPN.	USPAT	OR	OFF	2004/09/21 17:28
S13	21	(381/120).ccls. and pop	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/21 17:40
S14	17	(381/120).ccls. and D/A adj2 convert\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/28 16:36
S15	24	amplifier same (pop near4 click)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/23 15:55
S16	0	(381/120).ccls. and clamp\$3 adj3 node	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/23 14:08
S17	1	(381/120).ccls. and clamp\$3 near3 voltage	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/21 18:46
S18	16	(381/120).ccls. and clamp\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/23 14:34
S19	2	henson.in. and pop and click	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/07/12 18:21
S20	1	("5796851").PN.	USPAT	OR	OFF	2005/09/23 14:04
S21	53	(381/120).ccls. and (clamp\$3 or set\$4) with output with amplifier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/23 14:21
S22	0	(381/120).ccls. and (clamp\$3 or set\$4) with output with amplifier with D/A	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/23 14:09
S23	1	(381/120).ccls. and (clamp\$3 or set\$4) with output with amplifier with (return adj2 (potential or voltage))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/23 14:10
S24	1	(381/120).ccls. and (clamp\$3 or set\$4) with DAC with power	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/23 14:10
S25	2	(381/120).ccls. and (clamp\$3 or set\$4) with output with amplifier and (D/A or DAC)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/23 14:10

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S26	20	(381/120).ccls. and (clamp\$3 or set\$4) with output with amplifier with (potential or voltage)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/23 14:21
S27	11	("381"/\$).ccls. and clamp\$3 near2 output near2 amplifier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/07/12 17:39
S28	5	clamp\$3 near2 output near2 amplifier with (DAC or D/A)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/23 14:37
S29	49	clamp\$3 with output with amplifier with (DAC or D/A)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/23 14:38
S30	3	("5796851").URPN.	USPAT	OR	OFF	2005/09/23 14:51
S31	7	("4416178"   "4418598"   "4441086"   "4859955"   "4947440"   "5151942"   "5199079").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/23 14:54
S32	360	amplifier same (DAC or D/A) same clamp\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/23 15:55
S33	8	amplifier same (DAC or D/A) same clamp\$3 and (headphone or headset)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/23 15:57
S34	223	amplifier same (DAC or D/A) same clamp\$3 same (potential or voltage)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/23 15:57
S35	3	amplifier same (DAC or D/A) same clamp\$3 same (potential or voltage) same pop	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/28 14:31
S36	3	(DAC or D/A) same clamp\$3 same (potential or voltage) same pop	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/23 16:00
S37	8	(DAC or D/A) same (clamp\$3 or off) same (potential or voltage) same pop	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/23 16:13
S38	2	((("6600365") or ("20050025322"))).PN.	US-PGPUB; USPAT	OR	OFF	2005/09/23 16:14
S39	14	330/250-311.ccls. and clamp\$3 same (DAC or D/A)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/23 16:19
S40	15	"330"/\$.ccls. and (clamp\$3 with output) same (DAC or D/A)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/23 16:20
S42	118	"330"/279\$.ccls. and (DAC or D/A)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/23 16:21

## EAST Search History

S43	3066	(330/51,149).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/07/13 10:48
S44	2	(amplifer with clamp\$3 with diodes)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/28 14:32
S45	17	(amplifer with clamp\$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/28 14:32
S46	1054	(amplifier with clamp\$3 with (diodes or switches or transistors))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/28 14:33
S47	1	(amplifier with clamp\$3 with (diodes or switches or transistors)) and (pop with click)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/28 14:36
S48	16	(amplifier near2 (diodes or switches or transistors)) and (pop with click)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/28 14:40
S49	585	(amplifier near2 (clamp or clamping or holding) near3 output)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/28 14:40
S50	3	(amplifier near2 (clamp or clamping or holding) near3 output) and pop	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/28 14:59
S51	1	(amplifier near2 (clamp or clamping or holding) near3 output) near3 (DAC or D/A)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/28 14:59
S52	97	(amplifier with (clamp or clamping or holding) with output) with (DAC or D/A)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/28 15:00
S53	1	felder.in. and pop and click	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/28 16:13
S54	52	"sigmatel".AS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/28 16:13
S55	3	("5796851").URPN.	USPAT	OR	OFF	2005/09/28 16:19
S56	9	(381/120).ccls. and (D/A or DAC) same (amplifier with output)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/28 17:40
S57	111	(D/A or DAC) same (amplifier with (clip\$3 or clamp\$3) with output)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/28 16:38
S58	58	(D/A or DAC) with (amplifier with (clip\$3 or clamp\$3) with output)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/07/12 17:40
S59	0	("5764005").URPN.	USPAT	OR	OFF	2005/09/28 16:50

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S60	4	("4361785"   "4607288"   "4701678"   "5359265").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/28 16:50
S61	17	(D/A or DAC) with (amplifier with (clip\$3 or clamp\$3) with output) and audio	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/28 16:59
S62	697	(amplifier with (clip\$3 or clamp\$3) with output) and audio	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/28 17:00
S63	59	(amplifier near3 (clip\$3 or clamp\$3) near3 output) same audio	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/28 17:12
S64	51	(amplifier near3 (clip\$3 or clamp\$3) near3 output near3 ground)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/28 17:12
S65	66	("381"/\$).ccls. and (clamp\$3 or clip\$4) with feedback	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/28 17:40
S66	33	("381"/\$).ccls. and (clamp\$3 or clip\$4) with feedback with amplifier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/05 09:56
S67	1	("381"/\$).ccls. and (clamp\$3 or clip\$4) with switch with feedback with amplifier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/05 09:56
S68	2	("381"/\$).ccls. and ((clamp\$3 or clip\$4) adj3 switch) with amplifier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/05 09:58
S69	157	((clamp\$3 or clip\$4) adj3 switch) with amplifier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/05 09:58
S70	11	((clamp\$3 or clip\$4) adj3 switch) with feedback with amplifier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/05 09:58
S71	0	((clamp\$3 or clip\$4) adj3 switch) with D/A with amplifier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/05 09:59
S72	1	((clamp\$3 or clip\$4) adj3 switch) with DAC with amplifier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/13 11:26
S73	7	((clamp\$3 or clip\$4) adj3 switch) with DAC	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/05 09:59
S74	0	(clamp\$3 or clip\$4) with output with (ground or (return adj2 potential)) same (on same off same amplifier same DAC)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/13 11:25

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S75	0	(on same off same amplifier same DAC) same (clamp\$3 or clip\$4)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/13 11:26
S76	1	(clamp\$3 or clip\$4) with (on or off) with DAC with amplifier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/13 11:31
S77	8	(clamp\$3 or clip\$4) same (on or off) same DAC same amplifier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/13 11:31
S78	0	(381"/\$.ccls. and(powering)same(clamp\$3withon )sameamplifier).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/12 17:42
S79	0	"381"/\$.ccls. and (powering) same (clamp\$3 near3 on) same amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/12 17:44
S80	0	330/51,149,251,10,207A.ccls. and (powering) same (clamp\$3 near3 on) same amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/12 17:43
S81	0	330/51,149,251,10,207A.ccls. and (power\$3 near3 up) same (clamp\$3 near3 on) same amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/12 17:44
S82	0	(power\$3 near3 up) same (clamp\$3 near3 on) same amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/12 17:44
S83	1	330/51,149,251,10,207A.ccls. and (power\$3 near3 up) same (clamp\$3) same amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/03/03 17:37
S84	3	"381"/\$.ccls. and (power\$3 near4 up) same (clamp\$3) same amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/12 17:45
S85	192	(power\$3 near4 (down up)) same (clamp\$3) same amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/12 17:45
S86	27	(power\$3 near4 (down up)) same (clamp\$3 clip\$4) same amplifier same audio	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/12 17:45
S87	0	henson.in. and clamp\$3 and off and on and amplifier and analog	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/07/12 18:23

## EAST Search History

S88	34	henson.in. and analog	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/07/12 18:22
S89	0	henson.in. and clamp\$3 and off and on and amplifier and analog	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/07/12 18:23
S90	1	henson.in. and (clamp\$3 with analog)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/07/12 18:31
S91	0	(clamp\$3 with switch) same on same off	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/07/12 18:31
S92	0	(clamp\$3 with switch) same "on" same "off"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/07/12 18:32
S93	0	((clamp\$3 clip\$4) same switch) same "on" same "off"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/07/12 18:32
S94	35362	((clamp\$3 clip\$4) same switch)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/07/12 18:32
S95	14	((clamp\$3 clip\$4) same switch) and on and off and amplifier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/07/12 18:34
S96	3189	((clamp\$3 clip\$4) same switch) same amplifier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/07/12 18:34
S97	36	((clamp\$3 clip\$4) same switch) same amplifier same (power\$3 near\$3 up)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/07/12 18:34
S98	168	(381/94.5).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/12 19:05
S99	641	(84/621,627,665).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/12 19:05
S100	0	S98 and (clamp\$3 clip\$4) with off with amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/12 19:06
S101	0	S99 and (clamp\$3 clip\$4) with off with amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/13 10:21



## EAST Search History

S10 2	33	330/51,149,251,10,207A.ccls. and (clamp\$3 clip\$4) with off with amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/12 19:07
S10 3	940	(clamp\$3 clip\$4) with off with amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/13 10:22
S10 4	99	(clamp\$3 clip\$4) near3 off near3 amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/13 10:22
S10 5	24	((clamp\$3 clip\$4) near3 off near3 amplifier) and audio	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/03/03 17:18
S10 6	0	((clamp\$3 clip\$4) near3 off near3 amplifier near3 on) and audio	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/13 10:24
S10 7	0	((clamp\$3 clip\$4) near3 off near3 amplifier near3 on)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/13 10:24
S10 8	3211	(330/51,149).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/07/13 10:49
S10 9	0	S108 and ((clamp\$3 clip\$4) with off) same (amplifier with on)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/13 10:49
S11 0	0	S108 and ((clamp\$3 clip\$4 turn\$3) with off) same (amplifier with on)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/13 10:49
S11 1	1	((clamp\$3 clip\$4) near3 amplifier) with (return near3 potential) with (power\$3 near2 up)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/03/03 17:19
S11 2	1	((clamp\$3 clip\$4) near3 amplifier) with (return near3 potential) with (power\$3 near2 up)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/03 17:19
S11 3	3	((clamp\$3 clip\$4) near3 amplifier) with (potential) with (power\$3 near2 up)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/03 17:22

## EAST Search History

S11 4	9	((clamp\$3 clip\$4) near3 amplifier) with (power\$3 near2 up)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/03 17:26
S11 5	1	((clamp\$3 clip\$4) near3 amplifier) with (initiat\$4 near3 power\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/03 17:27
S11 6	785	(330/279).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/03/03 17:27
S11 7	820	(330/279).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/03 17:27
S11 8	1	S117 and ((clamp\$3 clip\$4) near3 amplifier) with (initiat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/03 17:27
S11 9	35	S117 and ((clamp\$3 clip\$4) near3 amplifier)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/03 17:34
S12 0	871	(381/120).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/03 17:34
S12 1	30	S120 and ((clamp\$3 clip\$4) near3 amplifier)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/03 17:36
S12 2	3	S120 and ((clamp\$3 clip\$4) near3 amplifier) same (ground (return near3 potential))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/03 17:37
S12 3	16	330/51,149,251,10,207A.ccls. and ((clamp\$3 clip\$4) near3 amplifier) same (ground (return near3 potential))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/03/08 16:40